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TITLE : COMPOSITION FOR COATED PAPER

ABSTRACT : PURPOSE: To obtain a paper-coating composition composed of a copolymer latex obtained by the emulsion polymerization of a specific monomer and having well-balanced adhesion and blister resistance by adjusting the get fraction of the latex, the molecular weight of a specific soluble component and the particle diameter within respective specific ranges.

CONSTITUTION: This composition for coated paper contains a copolymer latex produced by carrying out the emulsion copolymerization of (A) 20-60 pts.wt. of an aliphatic conjugated diene monomer, (B) 0.5-10 pts.wt. of an ethylenic unsaturated acid monomer and (C) 30-79.5 pts.wt. of other copolymerizable monomer [e.g. styrene, methyl methacrylate and (meth)acrylamide] using a chain transfer agent composed of 0.1-3 pts.wt. of a methylstyrene dimer and 0.1-3 pts.wt. of a sulfur-containing compound under a condition to satisfy the formula $XY/Z \geq 150X + 10000$ wherein X (wt.%) is get fraction of the emulsion polymerized latex, Y is weight-average molecular weight of tetrahydrofuran-soluble component and Z (nm) is particle diameter. A coated paper suitable for web offset printing can be produced by the use of the composition.

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